

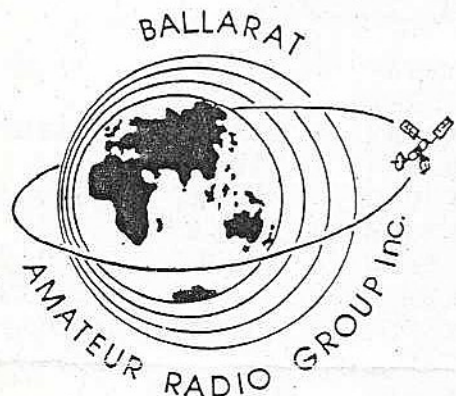


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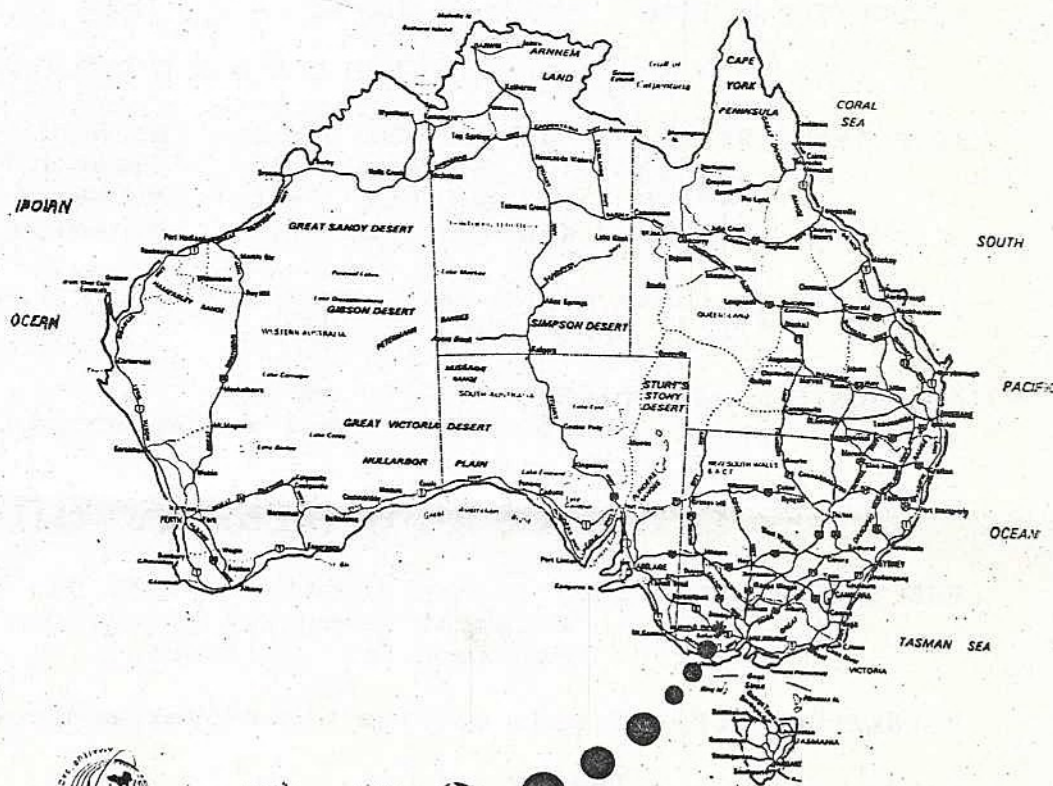
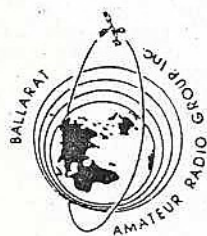
WIRELESS INSTITUTE OF AUSTRALIA

B·A·R·G NEWS

© Monthly Newsletter of the
Ballarat Amateur Radio Group Inc.



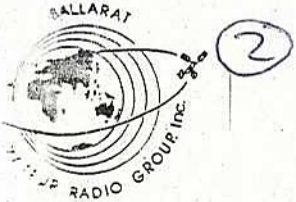
MAY '92



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REGISTERED BY AUSTRALIA POST, PUBLICATION No. VBH3397

VK3BML



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NEWSLETTER EDITOR	Norm D'Angri	SWL	341613	

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REPEATERS: VK3RBA - 146.750 MHz. Voice. Mt. Buninyong. (Ch. 3)
VK3RBS - 146.900 MHz. Voice. Smeaton Hill. (Ch. 6)
VK3RPC - 147.600 MHz. Packet Mt. Warrenheip
VK3RBU - 438.475 MHz. Voice. Mt. Hollowback

CLUB NET: Thursday nights at 8 pm. (8.30 pm. during daylight saving)
Freq. - 3.610 MHz. +/- QRM.

FOX HUNTS: Monday nights at 7.30 pm.
Freq. - 146.500 MHz. Meet at Education Centre - Hopetoun St.

2 METRE SCRAMBLE: Sunday nights at 7.50 pm.
Freq. - 146.425 MHz. to 146.600 MHz. Call back on VK3RBA.

MEETINGS: Last Friday of every month at 7.30 pm. at
Ballarat Community Education Centre
Hopetoun St. Ballarat.

CORRESPONDENCE: Please address all correspondence to:

The Secretary
B.A.R.G. Inc.
P.O. BOX 1216
MAIL CENTRE BALLARAT 3354

BALLARAT



73 FROM NORM.
B.A.R.G. (S.W.L.)

PRESIDENT'S REPORT

3



This months meeting should be well attended from reports that I have heard from people who intend coming to our auction/junk sale. I've just returned to Ballarat from Darlington, where I listened for the weather balloon exercise being conducted by the EMDRC and Shepparton clubs. It appears to have been a very successful event and reports on the flight will probably appear in various amateur magazines in the future. It is a pity that news of the flights did not appear until a fortnight ago and missed the newsletter edition, hopefully an earlier warning will be forthcoming next time.

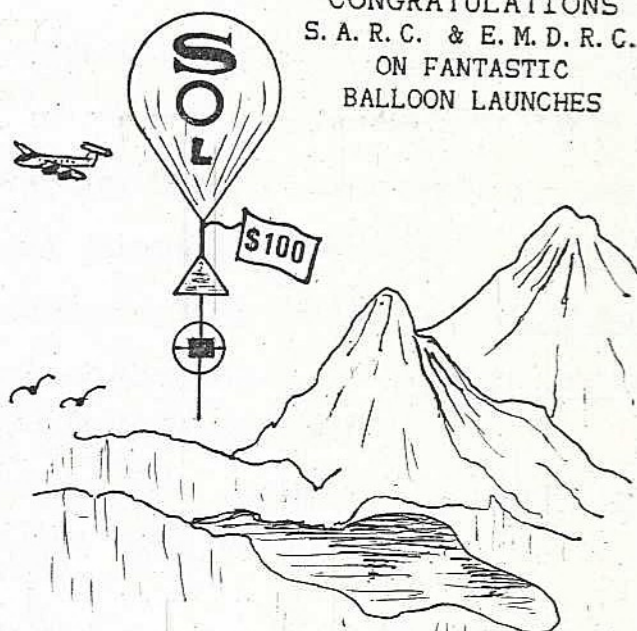
Something to look forward to at the June meeting is a talk and display on radio controlled yachts. More on this next issue.

July is our Annual General Meeting and members are advised to keep this date free, and in the meantime consider any positions in the club that they might like to nominate for.

The scramble sheets are getting a bit thin on the ground, from the number of operators on the scrambles I should be getting more. If the scores look a little on the high side, they were only obtained through constant submission of sheets, so dig out the sheets that you still have out and get them included in the tally.

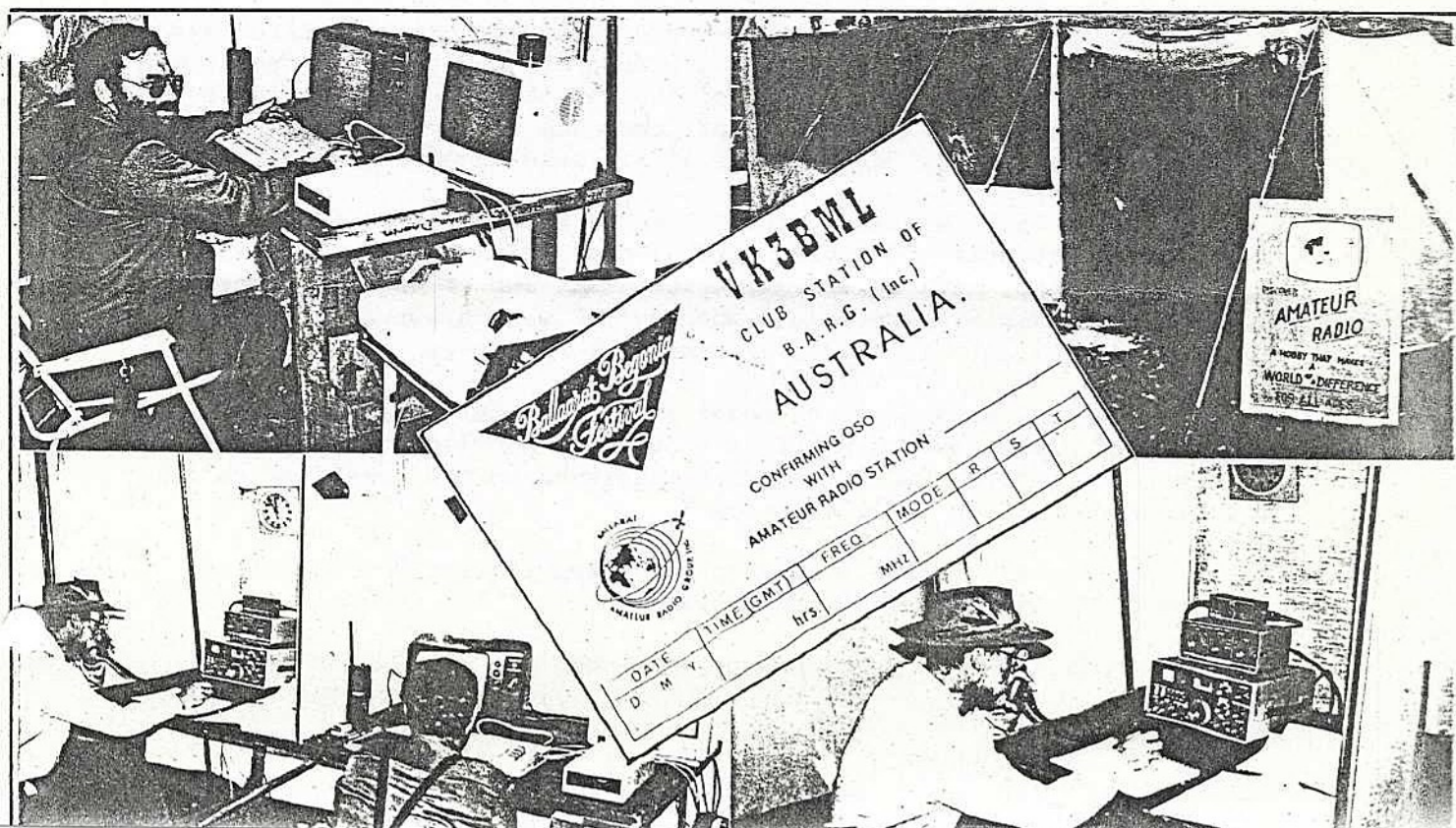
73 See you at the meeting... Tom VK3DMK.

CONGRATULATIONS
S. A. R. C. & E. M. D. R. C.
ON FANTASTIC
BALLOON LAUNCHES



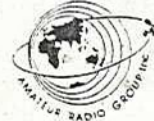
SCRAMBLE POINTS UPDATE

VK3KAY	300
VK3FMC	216
VK3DCS	209
VK3DOK	181
VK3VEJ	172
VK3CIS	104
VK3JAT	83
VK3DET	75





MINUTES OF GENERAL MEETING HELD 24th APRIL 1992.



MEETING OPENED by President Tom VK3 KGL at 7.45pm with 51 members in attendance.

APOLOGIES VK3 TDG,DS,SMC,LDC,AEX,BNC,VU,SE,NIZ,FGC.

CORRESPONDENCE IN Ballarat Courier.Thanks for assisting in Fun Run.Donation of \$75.00

CORRESPONDENCE OUT Letters of thanks to Mr.Barry Wilkins and Mr.C.N.Everett.

MINUTES of previous meeting as circulated in Newsletter confirmed. XDQ/CAZ

TREASURERS REPORT General account \$2009.44.Accounts \$111.53 passed for payment. KGL/EF

CLUB NET John CFH reported that net is still quite well supported.

EDUCATION Class proceeding well with 9 students.An examination will be held at course end.

TECHNICAL Construction of Digipeter going ahead,Most parts now to hand.

NEWSLETTER Norm is very short of material,please assist if you can.

GENERAL BUSINESS Investigation in various types of tent still going ahead.
Sample of Tee shirt with Club logo at next meeting.

MEETING CLOSED at 8.15pm

73s Jim CFB.

#####

NEXT BARG MEETING Friday 29th May.Education centre at 7.30pm.EQUIPMENT SALE + JUNK.

#####

QRPER BUSTED

(Reprinted from April 14 '92 edition of Chirps & Clicks & Spurious Emissions - Kalamazoo Radio Club - Jim Hope AA4RV.)

A local ham, well known for (what he said were) his QRP activities and homebrew rigs, was the subject of a pre-dawn raid by the enforcement arm of the FCC. Ric Campbell, of Carpenter St. was charged with running a 5000W station. "I should have realised that something was wrong when the bamboo spreaders on my vertical quad caught fire," said Campbell ruefully.

A 'Radio Shack' milliammeter, mislabelled as being a microammeter, seems to have been the culprit. "I couldn't get proper power output," said the amateur,"so I just kept on adding to the final amp. I had just achieved what I thought was five watts out when my SWR went haywire. I looked out to check my antenna just as the Fire Department rolled up."

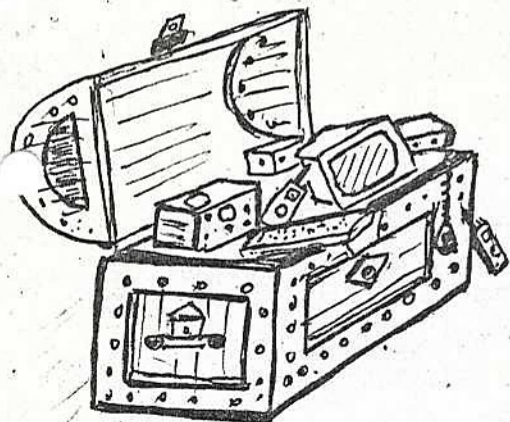
All equipment was impounded. "I never seized an amplifier before that consisted of nine thousand 2N2222's running in parallel," said Rufus Bluthund, the special FCC investigator assigned to the case, "we're using it to heat our office at Allegan now."

No information was available on Campbell's application for the first 10 metre HF CW QRP ARRL DXCC EME award.

=====

DICTIONARY

SEMICONDUCTOR A very short ticket collector.



5



JUNK AUCTION MEETING
FRIDAY 29th. MAY
SOME OF THE
JEWELS
IN THE JUNK

FOR SALE

AWA 25M. 2 Metre 25 Watt mobile, with 6 empty channels.
PYE AM mobile. Tuned to 27.055. Working order, needs a tweak.
2 off PYE FM single channel mobiles. Still on 70 MHz.
Kenwood crystal filter YK88S-1. Suit TS450/690/850/950
Kenwood crystal filter YK88CN-1. As above.
YAESU 70cm. module for FTV701/FTV901 transverters.

DAVID BURGER. 10 Spring St. - Box Hill- 3128.

FOR SALE

WILLIS AUTOPHONES - Mobile FM Transceivers.
Ideal for conversion to 432 MHz.
10 Watts output with good sensitivity and very robust.
Price - \$50.00

RON - VK3ZHH

FOR SALE



TOWER - 112 FT (4 Section)

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PALOMAR LINEAR AMP.	
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LAFAYETTE MICRO 66 MARINE RADIO	
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SCALAR CB 13/3 27.88 Marine Whip for fibreglass boat.	\$ 80.00
10m - 15m DUO BANDER	\$ 40.00
COMMODORE 64	
With 1541-11 Disk Drive. - As New.	\$320.00

JEFF PIGDON VK3PAP - (053) 327041

IT'S A FACT Money isn't everything - Usually it's never enough !



JAPANESE SEMI-CONDUCTORS

Cheesed off with trying to identify the active devices in that 'wierdo' Japanese radio or whatever that you got 'dobbbed in' to try and fix ?

Well this may not be a great deal of help, but at least you will know whether it's a F.E.T. or a transistor that you suspect.

Only the first three of the five elements of the Japanese coding are of significance, although No.5 may be of help.

EXAMPLE 2 S C 82 A

(1)	(2)	(3)	(4)	(5)
2	S	C	82	A

(1) Type of device indicating the number of junctions in the device LESS one.

(2) For a semi-conductor this is always an S.

(3)

<u>Letter</u>	<u>Polarity and application</u>
A	PNP transistor. High Freq.
B	PNP transistor. Low Freq.
C	NPN transistor. High Freq.
D	NPN transistor. Low Freq.
E	P - gate Thyristor
G	N - gate Thyristor
H	N - base unijunction transistor.
J	P - channel F.E.T.
K	N - channel F.E.T.
M	Bidirectional triode thyristor.

(5) Indicates the level of improvement / development.
An improved device may be used in place of a previous generation device but not necessarily the other way round.

REG. VK3CAZ.

Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω Ω

WHY SHOES WEAR OUT

The average stride is 26 inches.
This means 2,437 steps to the mile, or 12,185 steps in a five mile day.
At this rate, in five miles of walking, a person weighing 160 pounds has pounded into his shoes 974 tons and 1,600 pounds of meat and bone, and all this he carries above his shoes.
Men buy (on average) three pairs of shoes a year.

A STEEL HAMMER weighing 160 pounds and coming down on the earth at the same rate would have to be replaced each day, and at the end of only four months would have to be dug out of the deepest hole in the world.

Maybe this is proof that shoes have a perfect right to wear out.

DARYL VK3XDQ

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Ever feel like the whole world is a cigarette and you're the only ashtray ?

A PAGE FROM THE PAST

OCTOBER 1931

(IAN VK3FD)

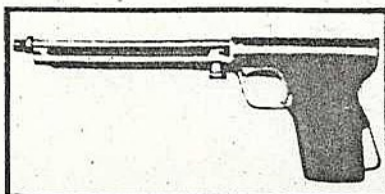
A B C's of Radio

MANY prospective radio enthusiasts spend time and money installing elaborate antennas before attempting to use their new receivers. With modern radio receivers much of this work often is wasted because the new sets are so sensitive that a big antenna is unnecessary and in fact not desirable. When you get your new receiver try it first with a piece of bell wire strung around the picture molding for an antenna. If the location is especially poor for radio, you may have to add a short outdoor section. The limit of effective length is reached when the average static noise brought in when the volume control is full on is loud enough to be objectionable. A longer antenna might bring in more stations but you wouldn't be able to enjoy them because of the disturbing static.



PISTOL SQUIRTS LIQUID THAT KILLS FLIES

A TOY-LIKE pistol, shooting liquid insecticide, is designed as a fly exterminator. A fly that is hit, it is said, immediately falls to the floor and dies. Mosquitoes and other insects also succumb to the liquid, which is said not to harm walls or draperies. The gun is cocked by squeezing the handle, and discharges a concentrated spray when the easily operating trigger is pressed.

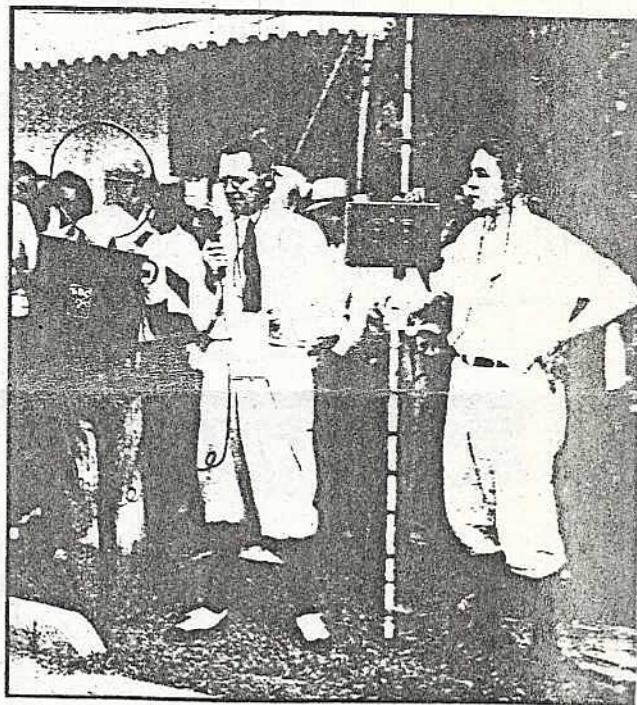


NAVY SEEKS FAST PLANE

WITH \$220,000 already appropriated by Congress for the purpose, the U. S. Navy has just signed a secret contract with a civilian designer to build what it hopes will be the fastest plane in the world. It will probably be entered in 1933 in the Schneider cup race. Lack of appropriations during the last five years has kept the Navy out of this competition. Officials point out that it helps develop high-speed types for military purposes, and at least one fighting plane, the British "Interceptor," has used the design of the racing machine.

PORTABLE SET RADIOS GOLF MATCH

A NEW portable short-wave transmitter and receiver has been placed in service recently to broadcast radio reports of important golf matches. With this apparatus, the announcer is able to follow the players around the course, a caddy carrying the transmitter strapped to his back. At the completion of a hole, the announcer picks up the microphone and broadcasts the score direct from the green. Because of its special design the new set is able to operate with unusually compact antennae. One of these is a loop; the other forms part of a pole on which the receiver is mounted. The transmitter operates on a short wave that is approximately five meters.



Portable short wave transmitter with loop antenna is shown, strapped to caddie's back while announcer reports golf match.

The world is an 8000 mile diameter spherical pile of dirt.

7



8

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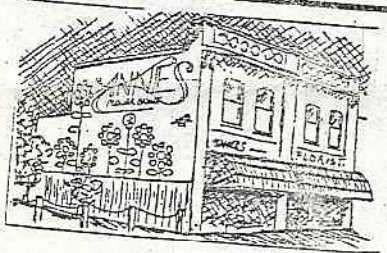
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IT'S A FACT

If two people agree with each other ALL of the
time, one of them is unnecessary.



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